

Junpei first showed the vertical polarization profiles for 10% cold snake which was measured by Fanglei over the owl shift last night. He plotted vertical polarization profiles for both 15% and 10% cold snake in the same plot. Although the 15% cold snake case looks slightly flatter, it is not significant. Anatoli warned us that there may be a rate problem with the target we were using (so-called target2). If this is the case, there will be a more profound polarization profile. He will take horizontal polarization profile measurement at 200mev polarimeter. We are going to repeat the measruement with a narrower target. Woody, Alfredo and Kevin also suggested to check vertical polarization profile at AGS injection. We need to get the CNI polarimeter working at injection first.

Nick then presented the MAD lattice with ν_x 8.2 and ν_y 9.1 for AGS energy range. With this tune settings, the compensation quads can all operated within the current limit. Horizontal tune has to ramp up at $\gamma = 20$ as the horizontal tune quad current maxed out. To push the horizontal tune into the desired tune window (8.05), the current needs to be around 1100A. We will check the magnet specs with Joe Tuozzolo to see how high the current can be. Woody noted that there was a tech note by Ed Bleser about these quads. The other option is to rotate the skew quads.

Haixin